## INTERNATIONAL SEARCH REPORT



International Application No PEP2004/001115

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04Q7/38 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 $\begin{array}{lll} \mbox{Minimum documentation searched} & \mbox{(classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H04Q} & \mbox{H04L} \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched.

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X Y	EP 1 207 708 A (ERICSSON TELEFON AB L M) 22 May 2002 (2002-05-22) cited in the application	1,4,9, 10,18 2,3,5-8,	
Ą	column 2, line 3 - column 3, line 53 column 7, line 48 - column 9, line 5 column 12, line 22 - column 14, line 2 figures 1,5,6,8	11-17 19-21	
	•		

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
Special categories of cited documents:				
'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the international filing date  'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document referring to an oral disclosure, use, exhibition or other means  'P' document published prior to the international filing date but tater than the priority date claimed	<ul> <li>*T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;* document member of the same patent family</li> </ul>			
Date of the actual completion of the international search	Date of mailing of the international search report			
27 October 2004	09/11/2004			
Name and malling address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Told 18 20 20 20 20 20 20 20 20 20 20 20 20 20	Authorized officer			
Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Moreno-Solana, S-F			

1

## INTERNATIONAL SEARCH REPORT

International Application No FE/EP2004/001115

(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT  Relevant to claim No.					
Citation of document, with indication, where appropriate, of the relevant passages	Helevant to claim No.				
EP 1 351 530 A (ERICSSON TELEFON AB L M) 8 October 2003 (2003-10-08)	1,4,9, 10,18 2,3,5-8, 11-17, 19-21				
column 2, line 3 - column 5, line 19 column 13, line 35 - column 14, line 47 figures 1,5,6,8					
EP 1 271 852 A (TADLYS LTD)	1,4,10				
2 January 2003 (2003-01-02)	2,5-8, 11-17 3,9, 18-21				
column 1, line 11 - column 5, line 30 column 6, line 43 - column 8, line 19 column 11, line 34 - column 12, line 26 column 13, line 5 - line 33 figures 1,2,7					
WO 03/079706 A (JANKO OTTO; MEMAR MOHAMMAD ALI (AT); SIEMENS AG (DE)) 25 September 2003 (2003-09-25) abstract page 1, line 29 - page 5, line 3 page 6, line 3 - page 7, line 1 page 8, line 1 - page 9, line 32 page 11, line 4 - line 15 page 13, line 16 - page 14, line 5 page 15, line 30 - line 37 figures 1-4	1-21				
WO 99/01002 A (NOKIA TELECOMMUNICATIONS OY; HUTTUNEN KARI (FI); HAATAJA KARI (FI); P) 7 January 1999 (1999-01-07) abstract page 1, line 3 - page 3, line 9 page 4, line 5 - line 25 page 7. line 6 - page 8, line 26	3,12				
figures 2,4,5	1,10, 19-21				
WO 00/07402 A (NOKIA NETWORKS OY; USKELA SAMI (FI)) 10 February 2000 (2000-02-10) page 3, line 1 - line 23 page 7, line 19 - page 8, line 8 figures 6,7	1,3,10, 12,19-21				
	EP 1 351 530 A (ERICSSON TELEFON AB L M) 8 October 2003 (2003-10-08)  column 2, line 3 - column 5, line 19 column 13, line 35 - column 14, line 47 figures 1,5,6,8  EP 1 271 852 A (TADLYS LTD) 2 January 2003 (2003-01-02)  column 1, line 11 - column 5, line 30 column 6, line 43 - column 8, line 19 column 11, line 34 - column 12, line 26 column 13, line 5 - line 33 figures 1,2,7  WO 03/079706 A (JANKO OTTO; MEMAR MOHAMMAD ALI (AT); SIEMENS AG (DE)) 25 September 2003 (2003-09-25) abstract page 1, line 29 - page 5, line 3 page 6, line 3 - page 7, line 1 page 8, line 1 - page 9, line 32 page 11, line 4 - line 15 page 13, line 6 - page 14, line 5 page 15, line 30 - line 37 figures 1-4  WO 99/01002 A (NOKIA TELECOMMUNICATIONS OY; HUTTUNEN KARI (FI); HAATAJA KARI (FI); P) 7 January 1999 (1999-01-07) abstract page 1, line 3 - page 3, line 9 page 4, line 5 - line 25 page 7, line 6 - page 8, line 26 figures 2,4,5  WO 00/07402 A (NOKIA NETWORKS OY; USKELA SAMI (FI)) 10 February 2000 (2000-02-10) page 3, line 1 - line 23 page 7, line 19 - page 8, line 8				

1

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PE/EP2004/001115

	Publication date	Patent family member(s)			Publication date
. A	22-05-2002	EP EP			22-05-2002 08-10-2003
Α	08-10-2003	EP EP			22-05-2002 08-10-2003
Α	02-01-2003	US EP		–	26-12-2002 02-01-2003
A	25-09-2003	WO	03079706	A1	25-09-2003
Α	07-01-1999	FI AU CN EP WO	7770598 1265815 0995329	A T A2	17-12-1998 19-01-1999 06-09-2000 26-04-2000 07-01-1999
Α	10-02-2000	GB AU WO	4926299	Α	29-03-2000 21-02-2000 10-02-2000
	A A A	A 22-05-2002  A 08-10-2003  A 02-01-2003  A 25-09-2003  A 07-01-1999	A 22-05-2002 EP EP  A 08-10-2003 EP EP  A 02-01-2003 US EP  A 25-09-2003 WO  A 07-01-1999 FI AU CN EP WO  A 10-02-2000 GB AU	date         member(s)           A         22-05-2002         EP 1207708 EP 1351530           A         08-10-2003         EP 1207708 EP 1351530           A         02-01-2003         US 2002197984 EP 1271852           A         25-09-2003         WO 03079706           A         07-01-1999         FI 972561 AU 7770598 CN 1265815 EP 0995329 WO 9901002           A         10-02-2000         GB 2342008 AU 4926299	A 22-05-2002 EP 1207708 A1 EP 1351530 A1  A 08-10-2003 EP 1207708 A1 EP 1351530 A1  A 02-01-2003 US 2002197984 A1 EP 1271852 A2  A 25-09-2003 WO 03079706 A1  A 07-01-1999 FI 972561 A AU 7770598 A CN 1265815 T EP 0995329 A2 WO 9901002 A2  A 10-02-2000 GB 2342008 A AU 4926299 A